BRUHATH BANGALORE MAHANAGARA PALIKE										
YELAHANKA ZONE										
Detailed Estimate for:	Providing Rainwater Harvesting Structures, in No.10.									
									Rs	500000.00
Sl. No.	Description of work	No		Dimension L	B	D	Unit	Qty	Rate	Amount
1	Earthwork excavation for foundation of buildings,culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5 m in depth including dressing in the bottom and sides of pits and trenches ,stacking the excavated soil clear from edges of excavation with lead upto 50m.after breaking of clods complete as per specifications. Specification. (P. 5 ,I-2.3)						Cum			
	For Well Above 1.5m to 3.0m	5		1.20	1.20	1.20		8.64		
	For Well 3.0m to 4.5m(add 25% extra)	5		3.142	3.61	1.50		21.27		
				4						
								29.91	129.60	3876.00
	Basic Rate	120								
	Area Weightage @ 8%	9.60								
	Total	129.6								
2	Earthwork excavation for foundation of buildings,water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m in and above in width, in hard soil not exceeding 1.5 m in depth including dressing in the bottom and sides of pits and trenches ,stacking the excavated soil clear from edges of excavation with lead upto 50m.after breaking of clods complete as per specifications. Specification. (P. 5 ,I-2.4)						Cum			
	For Well Above 1.5m to 3.0m	5		3.142	2.25	1.50		13.26	243.00	3221.00
	Basic Rate	180								
	Add 25%	45								
		225								
	Area Weightage @ 8%	18.00								
	Total	243								
	For Well 3.0m to 4.5m(add 25% extra)	5		3.142	2.25	1.50		13.26	291.60	3865.00
	Basic Rate	180								
	Add 50%	90								
		270								
	Area Weightage @ 8%	21.60								
	Total	291.6								
3	Excavation 1.5m and above in width in soft rock without blasting for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches not exceeding 1.5m. In depth, stacking the excavated stuff from edges of excavation with lead upto 50m including cost of labours complete as per specifications. specifications. No. KBS 2.1.C/2.3.5 (P-5, I-2.6)						Cum			
		5		3.142	2.25	1.5		13.26	291.6	3865.00
	Basic Rate	180								
	Add 50%	90								
		270								

Sl. No.	Description of work	No	Dimension L	Dimension B	Dimension D	Unit	Qty	Rate	Amount
	Area Weightage @ 8%	21.60							
	Total	291.6							
4	Providing and laying in position plain cement concrete of mixed 1:4:8 using 40mm and down size graded granite metal machine mixed concrete laid layers not exceeding 15 cms thick, well compacted, in foundation and plinth cost of all materials labour , HOM of machinery , curing complete as per specifications Specification No No.KBS 4.1, 4.2. for leveleing Course in Foundation [Page 14 Item 4.3]					Cum			
	as per rate analises inclosed	5	**3.88**	**0.45**	0.15		0.33	3939.41	**1290.00**
5	Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification (P. 26 I-1-6.6)					Cum			
	as per rate analises inclosed	5	3.88	0.23	1.00		4.46	**4887.17**	**21807.00**
6	KSRB 2900-9.1: Providing and laying reinforced cement concrete pipe NP3 1200mm dia for culverts including pointing ends and fixing collars with cement mortar 1:2 including cost of all labour, curing complete as per specifications. Specification No. KSRB 1000, 2300 MORT & H Specification No. 1000 / 2300 (P.237/I.35.29)					Rmtr			
		5	6				30	**8956.44**	**268693.00**
	Basic Rate	8293.00							
	Area Weightage @ 8%	663.44							
	Total	**8956.44**							
7	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labours, curing complete as per specifications.					Sqm			
		5	3.88		1		**19.40**	**143.13**	**2777.00**
	Basic Rate	143.13							
8	Providing and filling in foundation with granite broken metal 100mm and down size with approved sand including and packing ramming,watering including cost of all materials and labour with all lead and lift etc., complete as per specification					Cum			

		5	3.14		3.61	1.50		21.25		
		5	3.14		2.25	4.50		39.74		61805.0
								60.99	1013.36	61809.00
	Basic Rate	956.00								
	Area Weightage @ 6%	57.36								
	Total	**1013.36**								
9	Mild steel safety grill work made out of 0.5 " spacing both ways (approved rate)						Sqm			11780.0
		5	3.14		1.50			5.89	2000.00	11775.00
10	Providing 100mm thick RCC pre-cast slab covering (approved rate)						Sqm			
		5	3.14		1.20			18.84		
		5	9.00		1.50			67.50		
								86.34	1075.00	92816.00
11	Supplying river good sand with all lead and lift, loading and unloading and labour charges etc., complete and as per the dirctions of the engineer in charge									20314
		5		3.14	2.25	0.60		21.20	958.20	20309.00
12	conveying the excavated earth, debris, silt and over burden earth to a distance of upto 15 kms. Lead by using private vehicles including and unloading charges etc., complete						cum			
	Qty vide item NO. 1+2							56.42	87.8	4954.00
13	Miscellaneous									1359.00 1352
								TOTAL		500000.00

Rupees Sixteen Fifty Lakhs)

Certificate :-

1 The Spot is inspected by me and prepared the estimate.
2 The Estimate is prepared in the most economical way for execution
3 The rates are based on PWD SR 2011-12 and approved market rates

A.E/JE

Assistant Executive Engineer
Vidyaranayapura sub division
. BBMP,Bengaluru

Executive Engineer
Byatarayanapura Division
BBMP,Bengaluru

ADMINISTRATIVELY SANCTIONED FOR Rs 5,00,000/-
Rupees Five Lakhs only
Under P1771 POW 11-12
Registered as JC(Y) No /12-13
Subject to conditions contained in enclosed memo JE(Y) No 125 /12-13
Dt 11/05/12 Estimate A/Sanctioned
JC/Yel/AA/12-13 No. 125
Dated 11/05/12 Rs. 5,00,000.00/=

J.C (Tech)

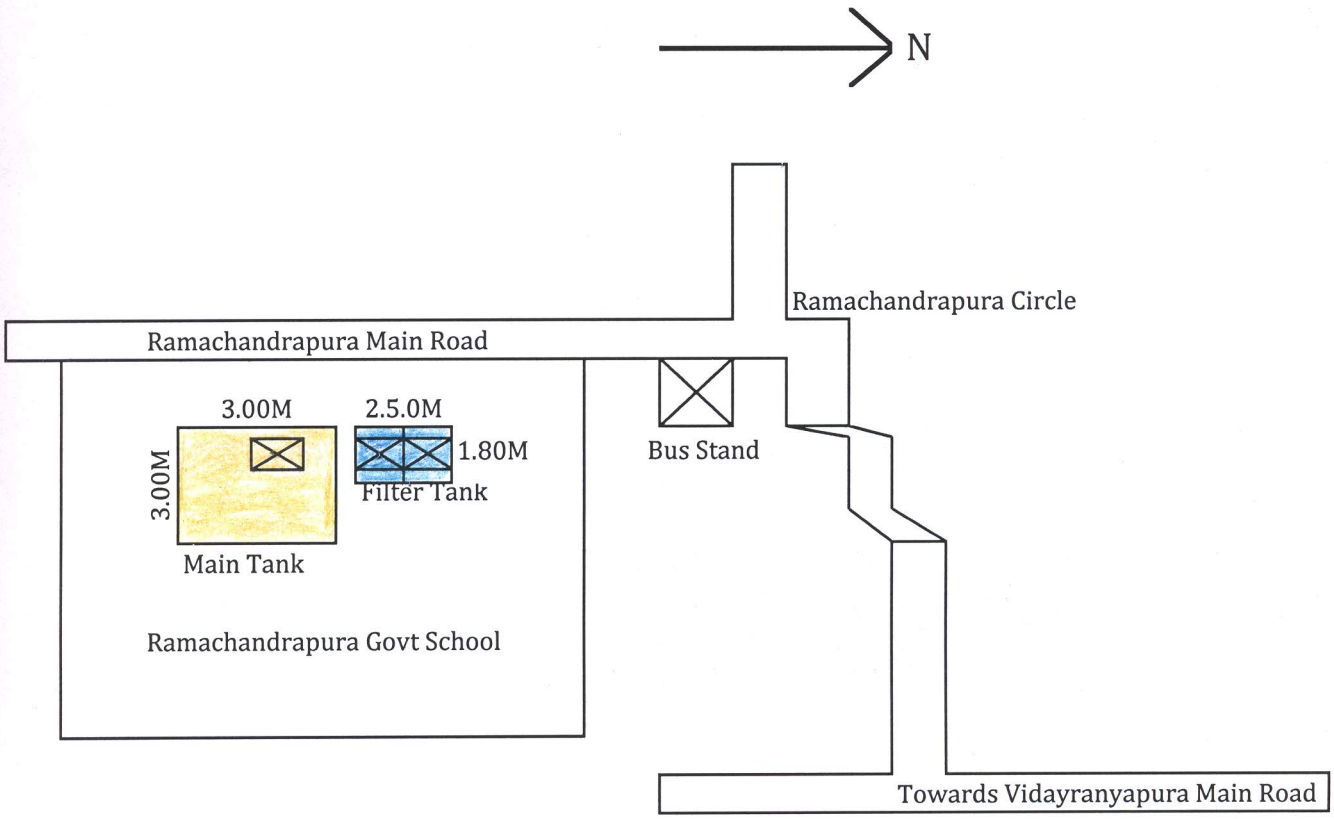
Technical Sanction for Rs. 500000-00
under P-1771 P-O W 11-12
registered as EE No: 21/12-13/14-5-12 Subject to conditions contained enclosed memo.
No: 21/12-13/14-5-12 Dt. 14-5-12

AE/JE

11/5/12

EE (BTP. DIV.)

Sketch Showing the Work of Providing Rain Water harvesting Structires in Ward No. 10 (Doddabommasandra), Vidyarnyapura Sub Division.



Main Tank

Filter Tank

Zeeshan
AE W-10

Verified

G.M.MUNIYAPPA
B.E.(ELECT),B.E.(CIVIL)
EXECUTIVE ENGINEER(RTD)
PUBLIC WORKS DEPARTMENT